

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Withdrawn). A method for reviewing service data relating to a subscriber's telecommunications services using a graphical user interface, the method comprising:

transmitting a data message from the subscriber to an intelligent peripheral via at least one data network, the data message indicating a subscriber's desire to review the service data;

converting the data message into a protocol compatible with an integrated service control point, the converted data message being identical to a data message that the intelligent peripheral would create if the subscriber had indicated the desire to review the service data via an interactive voice response system;

transmitting the converted data message to the integrated service control point;

retrieving the service data from the integrated service control point; and

forwarding the service data to the subscriber via the intelligent peripheral;

wherein the subscriber retains the ability to review service data via an interactive voice response.

2. (Withdrawn) The method of claim 1, wherein the protocol comprises SR-3511.

3. (Withdrawn) A method for reviewing and updating a subscriber's telecommunications services using a graphical user interface via a plurality of data networks, the method comprising:

presenting service data to the subscriber via the data networks;

transmitting a data message from the subscriber to an intelligent peripheral via at least one of the data networks, the data message indicating a subscriber's desired update to a selected telecommunications service;

converting the data message into a protocol compatible with an integrated service control point, the converted data message being identical to a data message that the intelligent peripheral would create if the subscriber had entered the desired update via an interactive voice response system;

transmitting the converted data message to the integrated service control point; and

updating the selected telecommunications service in accordance with the subscriber's desired update;

wherein the selected telecommunications service is updated substantially contemporaneously with the subscriber requesting the update at the graphical user interface; and

wherein the subscriber retains the ability to update and review service data via an interactive voice response.

4. (Withdrawn) The method of claim 3, wherein the presenting further comprises retrieving the service data from a service status database, which is periodically updated by the integrated service control point, wherein integrated service control point traffic is reduced.

5. (Withdrawn) The method of claim 4, wherein the protocol comprises SR-3511.

6. (Withdrawn) A method for accessing service data relating to a subscriber's telecommunications services using a graphical user interface (GUI) via a plurality of data networks, and using an interactive voice response (IVR) system via a public switched telecommunications network, the method comprising:

providing the subscriber with the option of accessing the service data through a plurality of interfaces including the IVR system and the GUI;

selecting one of the IVR system and the GUI;

accessing the service data via an intelligent peripheral, the intelligent peripheral obtaining the service data from an integrated service control point; and

presenting the service data to the subscriber via the selected interface;

wherein the subscriber can access the service data via the IVR system and via the GUI based upon the subscriber's selection.

7. (Withdrawn) A system for reviewing and updating a subscriber's telecommunications services using a graphical user interface via a plurality of data networks, the system comprising:

a Web client, through which the subscriber views service data received via the data networks, and through which the subscriber requests service data updates, the service data being viewed through a graphical user interface;

a Web server that receives a data message transmitted from the subscriber in response to a service data update, the data message indicating a subscriber's desired update to a selected

telecommunications service;

an intelligent peripheral that receives the data message via at least one of the data networks, the intelligent peripheral translating the data message into a standard protocol, the translated data message being identical to a data message that the intelligent peripheral would create if the subscriber had entered the desired update via an interactive voice response system; and

an integrated service control point that receives the message in the standard protocol, the integrated service control point updating the selected telecommunications service in accordance with the subscriber's desired update;

wherein the selected telecommunications service is updated in the integrated service control point substantially contemporaneously with the subscriber requesting the update at the graphical user interface; and

wherein the subscriber retains the ability to update and review the service data via an interactive voice response.

8. (Withdrawn) The system of claim 7, wherein the protocol comprises SR-3511.

9. (Withdrawn) The system of claim 8, further comprising a service status database from which the service data is initially retrieved, whereby integrated service control point traffic is reduced.

Claim 10. (Cancelled)

11. (Currently Amended) A method for providing caller ID information associated with a

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telephone call from a calling party to a destination of a subscriber, the caller ID information being provided over a plurality of networks to a the subscriber at a location remote from the destination, the method comprising:

storing caller ID data in a call logger database in response to the calling party placing the telephone call to the destination and continuing to process the call to the destination;

receiving a caller ID query from the remotely located subscriber via at least one of the networks;

retrieving the caller ID data from the call logger database in response to the caller ID query;

transmitting the caller ID data to the remotely located subscriber via at least two of the networks; and

displaying the caller ID information at the remote subscriber's location;

wherein the storing comprises:

obtaining, at a service control point, calling party information associated with the calling party from a service switching point through an AIN query, the calling party information comprising at least a telephone number associated with the calling party;

obtaining, at the service control point, additional information associated with the calling party from a directory server, the additional information comprising at least a name associated with the telephone number of the calling party;

transmitting from the service control point to a GDI server the caller ID data, the caller ID

data comprising the calling party information and the additional information; and  
transmitting the caller ID data from the GDI server to the call logger database.

Claim 12. (Cancelled)

Claim 13. (Currently Amended) The method of claim ~~12~~ 11, further comprising determining whether the subscriber has activated the remote caller ID service.

Claim 14. (Original) The method of claim 11, wherein at least one of the networks further comprises a packet switched data network.

Claim 15. (Previously Presented) The method of claim 14, wherein the at least one packet switched data network comprises the Internet.

Claim 16. (Original) The method of claim 15, wherein receiving the caller ID query further comprises receiving, at a Web server, the caller ID query from the subscriber via a Web client; and wherein transmitting the caller ID data to the remotely connected subscriber further comprises transmitting the caller ID data from the Web server to the web client.

Claim 17. (Cancelled).

Claim 18. (Previously Presented) A method for implementing a remote access to caller ID service for a subscriber, the service providing caller ID information associated with a telephone call from a calling party to a destination of a subscriber, the caller ID information being provided over a plurality of networks to the subscriber at a location remote from the destination, the method comprising:

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obtaining, at a service control point, calling party information associated with the calling party from a switch, the calling party information comprising at least a telephone number associated with the calling party;

transmitting from the service control point to a GDI server the calling party information, while the service control point continues to process the call;

obtaining, at the GDI server, additional information associated with the calling party from a directory server, the additional information comprising at least a name associated with the telephone number of the calling party;

transmitting the caller ID data, comprising the calling party information and the additional information, from the GDI server to a call logger database;

receiving a caller ID query from the remotely located subscriber via at least one of the networks;

retrieving the caller ID data from the call logger database in response to the caller ID query;

transmitting the caller ID data to the remotely located subscriber via at least two of the networks; and

providing the caller ID information at the remote subscriber's location.

Claims 19-21. (Canceled)

Claim 22. (Previously Presented) The method for implementing the remote access to caller ID service according to claim 18, further comprising:

initially determining, at the GDI server, that the service is activated.

Claim 23. (New) The method of claim 18, wherein at least one of the networks further comprises a packet switched data network.

Claim 24. (New) The method of claim 23, wherein the at least one packet switched data network comprises the Internet.

Claim 25. (New) A system for implementing a remote access to caller ID service for a subscriber, the service providing caller ID information associated with a telephone call from a calling party to a destination of a subscriber, the caller ID information being provided over a plurality of networks to the subscriber at a location remote from the destination, the system comprising:

a service control point that receives calling party data from a switch, associated with the subscriber destination, in response to the telephone call, the calling party data comprising at least a telephone number associated with the calling party;

a GDI server that receives the calling party data from the service control point, while the service control point continues to process the call, the GDI server obtaining additional data associated with the calling party from a directory server, the additional data comprising at least a name associated with the telephone number of the calling party;

a call logger database that receives the caller ID information from the GDI server, the caller ID information comprising the calling party data and the additional data;

a network server configured to receive a first caller ID query from a client over a first



network and, in response to the caller ID query, retrieves the caller ID information from the call logger database and forwards the caller ID data to the client; and

an interactive voice response (IVR) configured to receive a second caller ID query from a telephone over a second network and, in response to the second caller ID query, retrieves the caller ID information from the call logger database and forwards the caller ID information to the telephone;

wherein the subscriber can obtain the caller ID information from the server and the IVR while being located remotely from the destination of the telephone call associated with the caller ID data.

Claim 26. (New) The system for implementing the remote access to caller ID service according to claim 25, wherein the first network comprises a packet switched data network.

Claim 27. (New) The system for implementing the remote access to caller ID service according to claim 26, wherein the second network comprises a public switched telephone network.